

Algae Toxin (Microcystin) Data Summary

St. Lucie River & Estuary

Updated September 15, 2006

Station Identification	Date Collected	Chlorophyll a mg/m ³	Flag	Microcystin LR Concentration Equivalents (µg/L)	Flag	Field Observations on Bloom
C44S80 (Upstream of S80 on the C-44 Canal)	1/5/2006	-		<0.1	U	no signs of algae in sample or water surface
	2/28/2006	5.3		<0.1	U	no visible blue green algae in sample or surface water
	3/23/2006	1.1	I	<0.1	U	no visible blue green algae
	4/20/2006	10		<0.1	U	no visible blue green algae
	5/11/2006	3.5	I	<0.1	U	no visible blue green algae
	5/18/2006	1.4	I	<0.1	U	no blue green algae present
	6/8/2006	4.6		<0.1	U	no blue green algae present
	6/29/2006	3.3	I	<0.1	U	no blue green algae present
	7/13/2006	4.0		<0.1	U	no blue green algae present
	7/27/2006	5.4		<0.1	U	no blue green algae present
HR1 (Harbor Ridge, North Fork of the St. Lucie River)	8/11/2006	2.2	I	<0.1	U	no blue green algae present
	8/24/2006	8.8		<0.1	U	no blue green algae present
	1/4/2006	21.9		<0.1	U	no signs of algae in sample or water surface
	2/20/2006	12.5		<0.1	U	no visible blue green algae in sample or surface water
	3/21/2006	6.1		<0.1	U	no blue green algae visible in water column
	4/18/2006	7		<0.1	U	no visible blue green algae
	5/15/2006	9.6		<0.1	U	no blue green algae present
	6/15/2006	8.2		<0.1	U	no blue green algae present
	6/26/2006	11.5		<0.1	U	no blue green algae present
	7/13/2006	3.6	I	-		-
SE 08B (South Fork St. Lucie River, northeast Green Marker 31)	7/19/2006	5.6		<0.1	U	no blue green algae present
	7/31/2006	41.7		<0.1	U	no blue green algae present
	8/14/2006	21.6		<0.1	U	no blue green algae present
	9/1/2006	13.2		<0.1	U	no blue green algae present
	1/4/2006	<1	U	<0.1	U	no signs of algae in sample or water surface
	2/21/2006	6		<0.1	U	no visible blue green algae in sample or surface water
	3/22/2006	8.2		<0.1	U	no visible blue green algae in water column
	4/19/2006	3.9	I	<0.1	U	no visible blue green algae
	5/2/2006	8		<0.1	U	no visible blue green algae
	5/16/2006	8.3		<0.1	U	no blue green algae present
	6/14/2006	8.9		<0.1	U	no blue green algae present
	6/26/2006	5.5		<0.1	U	no blue green algae present
	7/12/2006	21.5		-		-
	7/19/2006	3.5	I	<0.1	U	no blue green algae present
	7/31/2006	11.2		<0.1	U	no blue green algae present
	8/15/2006	<1.0	U	<0.1	U	no blue green algae present
	9/1/2006	5.2		<0.1	U	no blue green algae present

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SE 03 (West side of Roosevelt Bridge)	1/4/2006	11.2		<0.1	U	no signs of algae in sample or water surface
	2/20/2006	5.9		<0.1	U	no blue green algae visible in sample or surface water
	3/21/2006	5.1		<0.1	U	no blue green algae visible in water column
	4/18/2006	5.9		<0.1	U	no visible blue green algae
	5/15/2006	10.8		<0.1	U	no blue green algae present
	6/15/2006	2.5	I	<0.1	U	no blue green algae present
	6/26/2006	2.6	I	<0.1	U	no blue green algae present
	7/13/2006	3.5	I	-		-
	7/19/2006	5.3		<0.1	U	no blue green algae present
	7/31/2006	26.4		<0.1	U	no blue green algae present
	8/14/2006	5.6		<0.1	U	no blue green algae present
	9/1/2006	43.4		<0.1	U	no blue green algae present
SE 02 (Channel Marker Z1, near Hoggs Canal)	1/4/2006	4.5		<0.1	U	no signs of algae in sample or water surface
	2/20/2006	6.6		<0.1	U	no blue green algae visible in sample or surface water
	3/21/2006	5.4		<0.1	U	no blue green algae visible in water column or in sample
	4/18/2006	5.3		<0.1	U	no visible blue green algae
	5/15/2006	4.4		<0.1	U	no blue green algae present
	6/15/2006	2.8	I	<0.1	U	no blue green algae present
	6/26/2006	1.3	I	<0.1	U	no blue green algae present
	7/13/2006	1.8	I	-		-
	7/19/2006	5.6		<0.1	U	no blue green algae present
	7/31/2006	4.5		<0.1	U	no blue green algae present
	8/14/2006	5		<0.1	U	no blue green algae present
	9/1/2006	50.5		<0.1	U	no blue green algae present

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SE 11 (St. Lucie Inlet, north side of channel, half way between Markers 14 and 16)	1/4/2006	-		<0.1	U	no signs of algae in sample or water surface
	2/20/2006	4.8		<0.1	U	no blue green algae visible in sample or surface water
	3/21/2006	3.3		<0.1	U	no blue green algae visible in water column or in sample
	4/18/2006	1.8	I	<0.1	U	no visible blue green algae
	5/15/2006	2.1	I	<0.1	U	no blue green algae present
	6/15/2006	1.8	I	<0.1	U	no blue green algae present
	6/26/2006	0.6	U	<0.1	U	no blue green algae present
	7/13/2006	3.7	I	-		-
	7/19/2006	2.9	I	<0.1	U	no blue green algae present
	7/31/2006	3	I	<0.1	U	no blue green algae present
	8/14/2006	2.5	I	<0.1	U	no blue green algae present
	9/1/2006	7.5		<0.1	U	no blue green algae present

Flagged data is due to accuracy and precision issues. The flags indicate quality control parameters which fell outside what is normally accepted for this analyte. Appropriate caution should be used in interpreting the data. Data table lists only sites sampled.

Flag:

J = failed quality control criteria for accuracy or precision

Q = time between collection and analysis exceeded criteria

I = result is between the laboratory minimum detection limit and the laboratory practical quantitation limit

U = result is undetected at the minimum detection limit